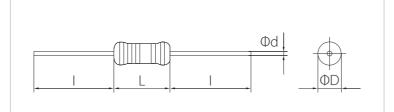


RDM is a small sized type of RD resistor and a highly reliable thermal deposition type. IT is manufactured through the rationalized automatic line and the high quality control system. Different types of the fixed carbon film resistor rating from 1/4W to 1/2W are available. They are widely used as the standard parts corresponding to automatic insertion.

Features

Resistor

-Small size Carbon type resistor. -General purpose lead-type resistors. -Automatic insertion is available. -Various types of forming are available. -Normal/Flame retardant coating is available. -Product with lead free meet RoHS requirements. Dimension



Carbon Film Resistor

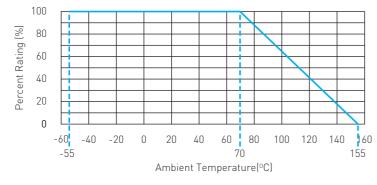
RoHS HF

	Туре	Dimension (mm)					
		L	D		d		
	1/4W	3.2 ± 0.3	1.8±0.2	28.0±3.0	0.43±0.02		
	1/2W	5.8± 0.5	2.3±0.2	27.0±3.0	0.55±0.02		

Type Designation

		-				
	RDM	92	T1	10R0	J	
		Power Rating	Style	Nominal Resistance	Resistance Tolerance	
		94:1/4W 92:1/2W	T-: Axial Type S-: 26mm Type	1R00:1Ω 1K00:1KΩ 1M00:1MΩ	G:±2% J:±5%	
				114100.114122		

Derating Curve



Rating & Shape

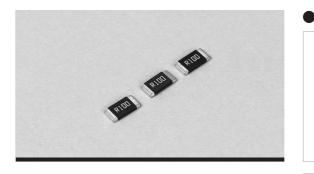
	Туре	Max. Working Voltage (V)	Max. Overload Voltage (V)	Dielectric Withstanding Voltage (V)	Range (Ω)	Resistance Tolerance (%)	Operating Temp. Range (°C)	Ambient Temperature (°C)		Type 52mm
	1/4W	250	500	500	0.47 114	G:±2		70	0	0
-	1/2W	350	700	700	0.47~1M	J:±5	-55~+155	70	0	0

Performance

Test Items	Performance Requirements	Test Methods		
Resistance	Within specified tolerance	Measure resistance at 25°C		
T.C.R	Within ±350PPM/°C	+25°C/+125°C		
Short Time Overload	±[2%+0.1Ω]	Rated voltage ×2.5 for 5sec or Max overload voltage		
Resistance Against Soldering Test	±[2%+0.05Ω]	260 ± 5 °C, $2 \sim 2.5$ mm, 10 ± 1 sec measure resistance After 1 hr at room temp		
Load Life in Moisture	±[5%+0.1Ω]	40 ± 2℃ 90~95%RH, 1.5hr ON/0.5 OFF cycle, 1,000hr		
Load Life in Temperature	±[5%+0.1Ω]	70 ± 2°C, 1.5hr ON/0.5hr OFF cycle, 1,000hr		

Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

CSR **Current Sensing Resistor**



CSR is named as chip current sensing Resistor that is made by Metal Plate and covered Insulation polymer[UL94V-0] after forming terminal.

Features

-Excellent current sensing, Voltage division and frequency. response characteristics.

-Over coating is molding compound UL-94 grade. -Low inductance less 1nH.

-1/2W, 2W, 3W are now developed.

Products Code

100 (%) 80 Rating 60 40 Ъ Per 20 0

Rating

Power Rating (W)	Size Code Resistance Range (Ω)		Resistance	Operating Temp.	Ambient	
TOWER Hading (VV)	mm	nesistance hange (22)	Tolerance (%)	Range (°C)	Temperature (°C)	
1/2W	5025	0.003~0.06	F:±1	-55~+125	70	
1W/2W	6332	0.001 ~ 0.1	G:±2 J:±5	-55~+125	70	

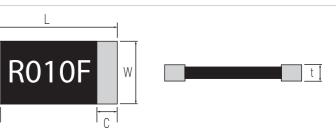
Performance

Test Items	Performance Requirements	Test Methods	
DC Resistance	Within specified tolerance	Measure resistance at 25°C	
T.C.R	R≤2mΩ:±275 2mΩ <r≤10mω:±100 R>10mΩ:±75</r≤10mω:±100 	+25°C/+125°C	
Short time Overload	±[1%+0.005Ω]	Rated voltage ×2.5 for 5sec or Max overload voltage	
Load Life in Moisture	±[2%+0.005Ω]	40 ± 2℃,90~95%RH,1.5hr ON/0.5hr OFF cycle,1,000hr	
Load Life in Temperature	±[2%+0.005Ω]	70 ± 2℃,1.5hr ON/0.5hr OFF cycle,1,000hr	

Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

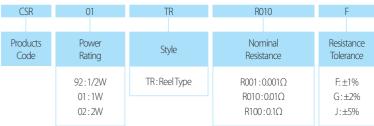
RoHS HF

Dimension

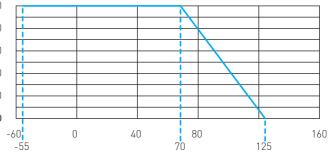


Turne	Dimension (mm)					
Туре	L	W	С	Т		
1/2W	5.0±0.2	2.5±0.2	0.6±0.3	0.7±0.2		
1\\//2\\/	W/2W 6.3±0.2	3.2T±0.2	2.0±0.2(R≤2mΩ)	0.7+0.2		
1 V V / 2 V V			1.0±0.2(R>2mΩ)	0.7 ±0.2		

Type Designation



Derating Curve



Ambient Temperature(°C)